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Application No. 10/776,538
Amendment dated December 4, 2007
Reply to Office Action of September 4, 2007

Docket No.: 3722-0177P

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A scan method capable of enhancing scan quality, the scan method comprising the steps of:

(a) moving one of a document and a scan module by a predetermined distance from the other;

(b) stabilizing the movement of one of the document and the scan module and consequently making the document and the scan module relatively stationary to each other after the step (a);

(c) illuminating the document with light rays from a light source, and receiving a stable image signal of the document by utilizing an image sensor of the scan module after the step (b);
and

(d) terminating the receiving operation of the image sensor and shutting off the light source after the image sensor has received the stable image signal for a first predetermined period of time so that an image signal corresponding to a line of the document is obtained;

(a') moving one of the document and the scan module by the predetermined distance from the other after the step (d);

(b') stabilizing the movement of one of the document and the scan module and consequently making the document and the scan module relatively stationary to each other after the step (a');

(c') illuminating the document with the light rays from the light source, and receiving another stable image signal of the document by utilizing the image sensor of the scan module after the step (b'); and

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(d') terminating the receiving operation of the image sensor and shutting off the light source after the image sensor has received the stable image signal for the first predetermined period of time so that another image signal corresponding to another line of the document is obtained.

2. (Original) The scan method according to claim 1, wherein the step (a) comprises a step of:

feeding the document to generate the predetermined distance from the stationary scan module.

3. (Original) The scan method according to claim 1, wherein the step (a) comprises a step of:

moving the scan module by the predetermined distance from the stationary document.

4. (Original) The scan method according to claim 1, wherein the light source is a light-emitting diode.

5. (Currently amended) The scan method according to claim 1, further comprising the steps of:

receiving a first mode signal or a second mode signal selected by a user;

executing the steps (a) to (d) when the first mode signal is received; and

executing the following steps when the second mode signal is received:

(a1) continually illuminating the document with the light rays from the light source;

(b1) moving one of the document and the scan module by the predetermined distance from the other, and receiving a standard image signal of the document by utilizing the image sensor of the scan module;

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(c1) stabilizing the movement of one of the document and the scan module and consequently making the document and the scan module relatively stationary to each other after the step (b1); and

(d1) terminating the receiving operation of the image sensor after the image sensor has received the standard image signal for a second predetermined period of time after the step (c1).

6. (Currently amended) A scan method capable of enhancing scan quality, the scan method comprising the steps of:

(a) continually illuminating a document with light rays from a light source;

(b) moving one of the document and a scan module by a predetermined distance from the other, and at the same time discarding an unstable image signal of the document by utilizing an image sensor of the scan module;

(c) stabilizing the movement of one of the document and the scan module and consequently making the document and the scan module relatively stationary to each other, and receiving a stable image signal of the document by utilizing the image sensor of the scan module after the step (b); and

(d) terminating the receiving operation of the image sensor after the image sensor has received the stable image signal for a first predetermined period of time so that an image signal corresponding to a line of the document is obtained;

(b') moving one of the document and the scan module by the predetermined distance from the other, and at the same time discarding another unstable image signal of the document by utilizing the image sensor of the scan module after the step (d);

(c') stabilizing the movement of one of the document and the scan module and

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consequently making the document and the scan module relatively stationary to each other, and receiving another stable image signal of the document by utilizing the image sensor of the scan module after the step (b'); and

(d') terminating the receiving operation of the image sensor after the image sensor has received the stable image signal for another first predetermined period of time so that another image signal corresponding to another line of the document is obtained.

7. (Original) The scan method according to claim 6, wherein the step (b) comprises a step of:

feeding the document to generate the predetermined distance from the stationary scan module.

8. (Original) The scan method according to claim 6, wherein the step (b) comprises a step of:

moving the scan module by the predetermined distance from the stationary document.

9. (Original) The scan method according to claim 6, wherein the image sensor has an electronic shutter.

10. (Currently amended) The scan method according to claim 6, further comprising the steps of:

receiving a first mode signal or a second mode signal selected by a user;

executing the steps (a) to (d) when the first mode signal is received; and

executing the following steps when the second mode signal is received:

(a1) continually illuminating the document with the light rays from the light source;

(b1) moving one of the document and the scan module by the predetermined distance

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from the other, and receiving a standard image signal of the document by utilizing the image sensor of the scan module;

(c1) stabilizing the movement of one of the document and the scan module and consequently making the document and the scan module relatively stationary to each other after the step (b1); and

(d1) terminating the receiving operation of the image sensor after the image sensor has received the standard image signal for a second predetermined period of time after the step (c1).